

1 **ABSTRACT**

2 To enhance portability of programming languages and compiled codes,
3 methods and/or devices optionally compile a programming language code
4 associated with one framework to a code associated with another framework
5 and/or convert a code associated with one framework to a code associated with
6 another framework. The aforementioned converters and/or methods include, but
7 are not limited to, features for supporting framework differences in object
8 hierarchy, exceptions, type characteristics, reflection transparency, and/or scoping.